

## BOOK REVIEW

*How to Write and Publish A Scientific Paper (8e)*

Barbara Gastel and Robert A Day

Greenwood an imprint of ABC-CLIO LLC

Santa Barbara, California

Reviewed by John Barnes

This 8<sup>th</sup> edition is very welcome. This review has a 5<sup>th</sup> edition copy which has become rather dated due to the rapid developments in personal computers, smart phones computers and software.

The book comprises Preface; A word to international readers, Acknowledgement followed by four parts comprising 24 chapters as follows:

### **Part 1 Some Preliminaries**

Chapter 1: What is Scientific Writing

Chapter 2: Historical Perspectives

Chapter 3: Approaching A Writing Project

Chapter 4: What is a Scientific Paper

Chapter 5: Ethics in Scientific Publishing

Chapter 6: Where to Submit Your Manuscript.

### **Part 2 Preparing the Text**

Chapter 7: How to Prepare the Title

Chapter 8: How to List the Authors and Addresses

Chapter 9: How to Prepare the Abstract

Chapter 10: How to Write the Introduction

Chapter 11: How to Write the Materials and Methods sections

Chapter 12: How to Write the Results

Chapter 13: How to Write the Discussion

Chapter 14: How to State the Acknowledgements

Chapter 15: How to Cite the References

### **Part 3 Preparing the Tables and Figures**

Chapter 16: How to Design Effective Tables

Chapter 17: How to Prepare Effective Graphs

Chapter 18: How to Prepare Effective Photographs

### **Part 4 Publishing the Paper**

Chapter 19: Rights and Permissions

Chapter 20: How to Submit the Manuscript

Chapter 21: The Review Process (How to deal with Editors)

Chapter 22: The Publishing Process (How to Deal with Proofs)

### **Part 5 Doing Other Writing for Publication**

Chapter 23: How to Write a Review Paper

Chapter 24: How to Write Opinion (Book Reviews, Editorials, and Letters to the Editor)

Chapter 25: How to Write a Book Chapter or Book

Chapter 26: How to Write for the Public.

### **Part 6 Conference Communications**

Chapter 27: How to Present a Paper Orally

Chapter 28: How to Prepare a Poster

Chapter 29: How to Write a Conference Report

### **Part 7 Scientific Style**

Chapter 30: Use and Misuse of English

Chapter 31: Avoiding Jargon

Chapter 32: How and When to Use Abbreviations

Chapter 33: Writing Clearly Across Cultures and Media

Chapter 34: How to Write Science in English as a Foreign Language

### **Part 8 Other topics in Scientific Communication**

Chapter 35: How to Write a Thesis

Chapter 36: How to Prepare a Curriculum Vitae

Chapter 37: How to Prepare Grant Proposals and Progress Reports.

Chapter 38: How to Write a Recommendation Letter and Ask for one.

Chapter 39: How to Work with The Media

Chapter 40: How to Provide Peer Review

Chapter 41: How to Edit Your on Work

Chapter 42: How to Seek A Scientific Communication Career

Appendix 1: Selected Journal Title Word Abbreviations

Appendix 2: Words and Expressions to Avoid

Appendix 3: SI (Systeme International) Prefixes and their abbreviations

Appendix 4: Some Helpful Websites

Glossary

References

Index

### **Conclusion**

This book is highly recommended to all master's level and doctoral level students to help them navigate the academic writing process and publishing organization protocols.

Author of the original editions Robert Day along with more recent author Barbara Gastel have a wealth of experience as editor of a leading scientific journal and senior academic for many years. Their writing is clear, concise, and where helpful witty. The current edition

has been greatly expanded from 35 to 42 chapters to provide the reader with current writing, editing, graphical and statistical software details and the current approach to submitting print and photographic materials.

Reading this book and applying the knowledge shared with us by the authors will greatly enhance the users publishing success. The book is available in hardcover, paperback and Kindle editions.

AU GSB e-Journal